metris.io is the business research platform of the future. Through large-scale web mining and information extraction, we aim to provide real-time access to information on companies, products, people and innovations in the business world. By making this data accessible, we allow analysts, strategists and other professionals make better decisions.

THE TOPICS

- **Scalable, continuous web crawling of news and company websites.** Monitor thousands of pages continuously, develop and deploy crawler infrastructure for incremental crawling. #Python #Scrapy (+ #Kafka #RabbitMQ #Redis)
- **Real-time knowledge base construction.** Apply bleeding edge NLP techniques to support the development of our entity linking pipeline. #Python #NumPy #SciKitLearn (+ #NLP #SpaCy)
- **Web app development:** UI design, data visualization and/or server development. Shape the way our web-app looks and feels from the start, create intuitive data interactions. #WebDev #React #NodeJS (+#UX #Dataviz)

THE CONDITIONS

- Steep learning curve with well defined work packages
- Mentorship, connections and experience from founders
- A bleeding edge tech stack on large datasets
- Responsibility in key area
INTERDISCIPLINARY PROJECT (IDP)

Overview

metris.io, together with the Chair of Technology and Innovation Management, is currently offering a variety of exciting IDPs in support of the development of an AI and Natural Language Processing (NLP) driven business research engine. We are looking for motivated students with experience in Python development and practical skills in any of the following areas: data science, machine learning, NLP, web crawling, or a related field, as well as students with experience in web design and web application engineering.

What we offer

metris.io is a newly founded startup that offers a fast-paced work environment, and you will get to influence key decisions throughout your project. We’re currently participating in the XPRENERS incubator program, so we can also offer you a space in our beautiful office on the 19th floor of the IBM tower in the north of Schwabing. Further, we’ll happily share our knowledge, expertise and guidance in any way that can benefit you, and we have a wealth of experience and connections to offer. We’re currently exploring possibilities for compensation on these IDPs, and we’ll also be looking to hire working students in the following months. A project with us is a great way for us to get to know you (and vice versa).

Who we are

We are a team of recently graduated TUM students in Computer Science and TUM-BWL. We met through the CDTM program, and between us have studied abroad at e.g. Columbia, Harvard, Stanford and UC Berkeley. We are a vision-driven team that believes in interdisciplinary work and providing an exciting work environment.

Organizational

- The project will have one supervisor from metris and one from TUM
- You can work part-time or full-time, from home or our office
- We will have weekly in-person check-ins on the project’s progress
- Team or individual applications possible
- Options for theoretical lecture:
  - Marketing and Innovation Management
  - Technology and Innovation Management: Intro + Course from ERI

Application

Send your CV and a short motivational statement to Philipp Dowling (team@metris.io). Let us know what project you’re interested in, what skills you bring to the table, and we’ll get back to you to schedule a meeting or Skype call. Feel free to also suggest your own ideas if you see a good fit for yourself at metris.